

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	3	(detect\$3 near fluorescence and ejecting and charged adj particles ion adj trap and illuminating and nano).clm.	US-PGPUB	OR	ON	2006/05/31 07:14

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	8	(US-20050139760-\$ or US-20050242279-\$).did. or (US-6737641-\$ or US-6627883-\$ or US-5379000-\$ or US-5248883-\$ or US-5118950-\$).did. or (US-20050253059-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/05/31 07:11
L4	2	3 and detect\$3 adj signal	US-PGPUB; USPAT; DERWENT	OR	ON	2006/05/31 07:12
L5	2	4 and light	US-PGPUB; USPAT; DERWENT	OR	ON	2006/05/31 07:12
L6	3	(detect\$3 near fluorescence and ejecting and charged adj particles ion adj trap and illuminating and nano).clm.	US-PGPUB	OR	ON	2006/05/31 07:14
S1	52	("5693941" "5206506" "5880466" "4959543" "6410915" "5283436" "6075243" "6157030" "5504329" "5572035" "5608217" "5663560" "6005245" "6107628" "5248883" "5250446" "5379000" "5750993" "6392225" "6534775" "6727497" "6744042" "5386113" "5306910" "6541769" "5872356" "5616918" "5818055" "5928731" "4441024" "5285063" "5198665" "5302826" "5457315" "6737641" "6190316" "5436446" "5712480" "5936241" "5304798" "5917185" "5981946" "6124591" "5756995" "5838003" "6410913" "6060706" "4315149" "4587432" "5543625").pn.	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/15 11:56

## EAST Search History

S2	432	"5693941" "5206506" "5880466" "4959543" "6410915" "5283436" "6075243" "6157030" "5504329" "5572035" "5608217" "5663560" "6005245" "6107628" "5248883" "5250446" "5379000" "5750993" "6392225" "6534775" "6727497" "6744042" "5386113" "5306910" "6541769" "5872356" "5616918" "5818055" "5928731" "4441024" "5285063" "5198665" "5302826" "5457315" "6737641" "6190316" "5436446" "5712480" "5936241" "5304798" "5917185" "5981946" "6124591" "5756995" "5838003" "6410913" "6060706" "4315149" "4587432" "5543625"	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 10:19
S3	1	"6777673"	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 10:19
S4	1109	"1" and floorescence	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 14:10
S5	52	("5693941" "5206506" "5880466" "4959543" "6410915" "5283436" "6075243" "6157030" "5504329" "5572035" "5608217" "5663560" "6005245" "6107628" "5248883" "5250446" "5379000" "5750993" "6392225" "6534775" "6727497" "6744042" "5386113" "5306910" "6541769" "5872356" "5616918" "5818055" "5928731" "4441024" "5285063" "5198665" "5302826" "5457315" "6737641" "6190316" "5436446" "5712480" "5936241" "5304798" "5917185" "5981946" "6124591" "5756995" "5838003" "6410913" "6060706" "4315149" "4587432" "5543625").pn.	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 14:10
S6	0	S5 and floorescence	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 14:11

## EAST Search History

S7	432	"5693941" "5206506" "5880466" "4959543" "6410915" "5283436" "6075243" "6157030" "5504329" "5572035" "5608217" "5663560" "6005245" "6107628" "5248883" "5250446" "5379000" "5750993" "6392225" "6534775" "6727497" "6744042" "5386113" "5306910" "6541769" "5872356" "5616918" "5818055" "5928731" "4441024" "5285063" "5198665" "5302826" "5457315" "6737641" "6190316" "5436446" "5712480" "5936241" "5304798" "5917185" "5981946" "6124591" "5756995" "5838003" "6410913" "6060706" "4315149" "4587432" "5543625"	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 14:10
S8	0	S7 and floorescence	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 14:12
S9	2	S5 and fluorescence	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 14:13
S10	71	S7 and fluorescence	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 14:12
S11	148779	detect\$3 same fluorescence and ejecting ang charged near particles ion adj trap	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 14:14
S12	2831	detect\$3 same fluorescence and ejecting and charged near particles ion adj trap	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 14:14
S13	2829	detect\$3 same fluorescence and ejecting and charged adj particles ion adj trap	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 14:14
S14	2826	detect\$3 near fluorescence and ejecting and charged adj particles ion adj trap	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 14:14
S15	68	detect\$3 near fluorescence and ejecting and charged adj particles ion adj trap and illuminating	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 14:26

## EAST Search History

S16	28	detect\$3 near fluorescence and ejecting and charged adj particles ion adj trap and illuminating and nano	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/31 07:14
S17	60	detecting near fluorescence and ejecting and charged adj particles ion adj trap and illuminating	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2006/05/31 07:14
S18	16	nanoparticle and ion adj detector and fluorescence	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/14 14:30
S19	58	dual same ion adj trap	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/15 11:56
S20	58	dual same (ion adj trap)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/15 12:02
S21	13	S19 and fluorescence	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/15 12:02
S22	411	tandem same (ion adj trap)	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/15 12:02
S23	128	S22 and fluorescence	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/15 12:05
S24	2	(US-5783824-\$ or US-6737641-\$). did.	USPAT	OR	ON	2005/02/16 13:19
S25	8	"5783824" "6737641"	USPAT	OR	ON	2005/02/16 13:23
S26	915	first near second and ion adj trap	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/16 13:24
S27	142	first near second same ion adj trap	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/16 13:24
S28	13	(first near second) near ion adj trap	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/16 13:26

## EAST Search History

S29	0	S27 and fluorescenes	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/16 13:25
S30	15	S27 and fluorescence	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/16 13:25
S31	207	S26 and fluorescence	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/16 13:25
S32	0	2003/0078524	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/16 13:39
S33	1	"20030078524"	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/16 13:42
S34	1	"20020188233"	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/16 13:42
S35	9	(US-20020121594-\$ or US-20040065824-\$ or US-20040079873-\$ or US-20040079874-\$ or US-20040079880-\$).did. or (US-5783824-\$ or US-6627883-\$ or US-6737641-\$ or US-6852971-\$).did.	US-PGPUB; USPAT	OR	ON	2005/02/17 10:01
S36	2	S35 and fluorescence	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/02/17 10:01
S37	9	(US-20020121594-\$ or US-20040065824-\$ or US-20040079873-\$ or US-20040079874-\$ or US-20040079880-\$).did. or (US-5783824-\$ or US-6627883-\$ or US-6737641-\$ or US-6852971-\$).did.	US-PGPUB; USPAT	OR	ON	2005/03/05 11:19

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S38	52	("5693941" "5206506" "5880466" "4959543" "6410915" "5283436" "6075243" "6157030" "5504329" "5572035" "5608217" "5663560" "6005245" "6107628" "5248883" "5250446" "5379000" "5750993" "6392225" "6534775" "6727497" "6744042" "5386113" "5306910" "6541769" "5872356" "5616918" "5818055" "5928731" "4441024" "5285063" "5198665" "5302826" "5457315" "6737641" "6190316" "5436446" "5712480" "5936241" "5304798" "5917185" "5981946" "6124591" "5756995" "5838003" "6410913" "6060706" "4315149" "4587432" "5543625").pn.	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/03/05 11:20
S39	9	S37 and time	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/03/05 11:20
S40	0	S37 and time near varying	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/03/05 11:20
S41	0	S37 and electromagnetic	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/03/05 11:20
S42	8	S38 and electromagnetic	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/03/05 11:22
S43	7	S42 and time	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2005/03/05 11:22
S44	9	(US-20020121594-\$ or US-20040065824-\$ or US-20040079873-\$ or US-20040079874-\$ or US-20040079880-\$).did. or (US-5783824-\$ or US-6627883-\$ or US-6737641-\$ or US-6852971-\$).did.	US-PGPUB; USPAT	OR	ON	2005/11/13 15:48
S46	0	S44 and ejecting and ion and trap and signal and laser and fluorescence	US-PGPUB; USPAT; DERWENT	OR	ON	2005/11/13 15:49

## EAST Search History

S47	0	mass and ejecting and ion and trap and signal and laser and floorescence	US-PGPUB; USPAT; DERWENT	OR	ON	2005/11/13 15:49
S48	0	S44 and ejecting and ion and trap and signal and laser and fluorescence	US-PGPUB; USPAT; DERWENT	OR	ON	2005/11/13 15:49
S49	1	S44 and ejecting and ion and trap and signal and laser and fluorescence	US-PGPUB; USPAT; DERWENT	OR	ON	2005/11/13 16:39
S50	13	"5679950"	US-PGPUB; USPAT; DERWENT	OR	ON	2005/11/13 16:40
S51	11	"5679950" and signal	US-PGPUB; USPAT; DERWENT	OR	ON	2005/11/13 16:41
S52	8	"5679950" and signal and mass near spectrum	US-PGPUB; USPAT; DERWENT	OR	ON	2005/11/13 16:43
S53	7	"5679950" and signal and mass near spectrum and laser	US-PGPUB; USPAT; DERWENT	OR	ON	2005/11/13 17:26
S54	7	(US-20030052264-\$).did. or (US-6107627-\$ or US-5679950-\$ or US-5783824-\$ or US-6797949-\$ or US-6566651-\$ or US-6489609-\$).did.	US-PGPUB; USPAT	OR	ON	2006/04/30 12:45
S55	6	S54 and mass near select\$4	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 12:49
S56	5	S54 and mass adj select\$4	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 12:52
S57	22	mass adj select\$4 adj device	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 12:53
S58	11	S57 and ion adj trap	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 12:58
S59	13	"5679950"	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 12:58
S60	7	S59 and mass adj select\$4	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:04
S61	0	S59 and light and signal and correlat\$4	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:04

## EAST Search History

S62	1	S59 and signal and correlat\$4	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:05
S63	1049	ion adj trap and signal and correlat\$4	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:06
S64	3983	ion adj trap	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:06
S65	3567783	S64 and mass aj select\$4	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:06
S66	520	S64 and mass adj select\$4	US-PGPUB; USPAT; DERWENT	OR	ON	2006/05/01 06:54
S67	144	S66 and correlat\$3	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:07
S68	900042	S67 and ejected or emit\$4	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:07
S69	81	S67 and (ejected or emit\$4)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:07
S70	36	S69 and light and signal	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:08
S71	1216487	"18" and detect\$3	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:08
S72	36	S70 and detect\$3	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:08
S73	404858	S72 adn spectrum	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:09
S74	32	S72 and spectrum	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:11
S75	32	S74 and light	US-PGPUB; USPAT; DERWENT	OR	ON	2006/04/30 13:11
S76	3983	ion adj trap	US-PGPUB; USPAT; DERWENT	OR	ON	2006/05/01 06:51

## EAST Search History

S77	520	S76 and mass adj select\$4	US-PGPUB; USPAT; DERWENT	OR	ON	2006/05/01 06:51
S78	144	S77 and correlat\$3	US-PGPUB; USPAT; DERWENT	OR	ON	2006/05/01 06:51
S79	81	S78 and (ejected or emit\$4)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/05/01 06:51
S80	36	S79 and light and signal	US-PGPUB; USPAT; DERWENT	OR	ON	2006/05/01 06:52
S81	11	S76 and mass adj select\$4 adj device	US-PGPUB; USPAT; DERWENT	OR	ON	2006/05/01 06:54
S82	10	dual adj ion adj trap	US-PGPUB; USPAT; DERWENT	OR	ON	2006/05/30 11:52
S83	13	multiple adj ion adj trap	US-PGPUB; USPAT; DERWENT	OR	ON	2006/05/30 11:52